

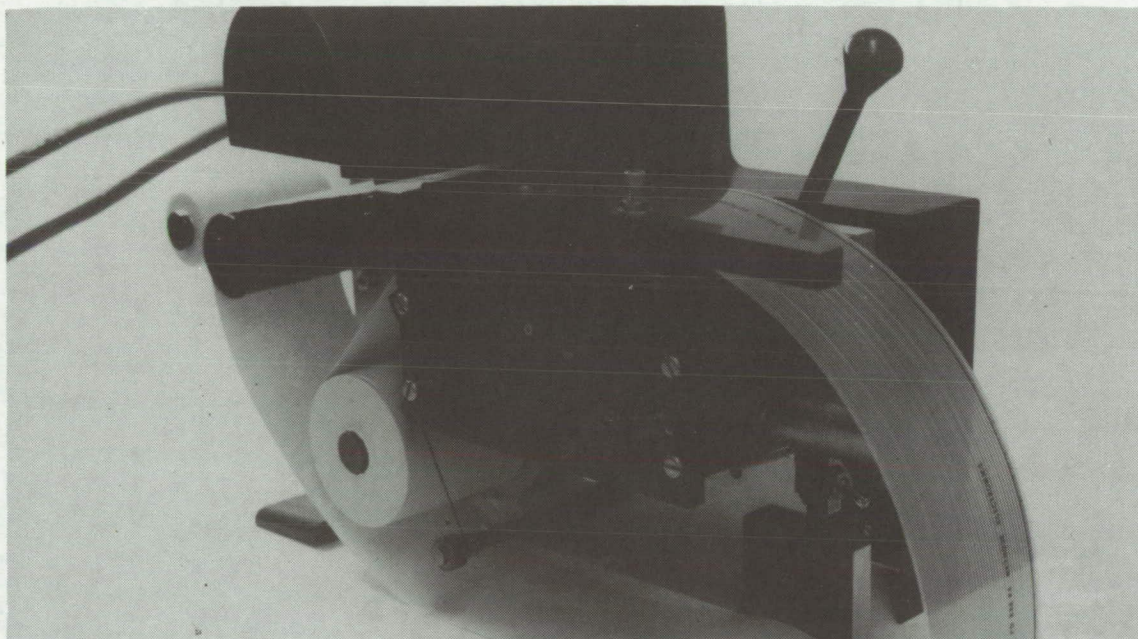
NASA TECH BRIEF

Marshall Space Flight Center



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Hot-Blade Stripper for Polyester Insulation on FCC



The hot-blade stripper is designed to strip polyester film from unshielded flat conductor (copper) cables. Stripping by conventional mechanical means is difficult because of the strong adhesion between the polyester and the copper surfaces. The stripper incorporates a blade which is electrically heated to a controlled temperature (370° to 430° C).

The heated blade, brought down on the cable while it is slowly pulled beneath the blade, softens and strips the insulation. A paper ribbon moving away from the blade removes the stripped insulation material, keeping the blade clean for the next operation. When the cable clears the blade, the blade lifts, the cable is turned over, and the stripping operation is repeated on the opposite side. The stripped conductors are cleaned with pumice and, if

required, with a commercial stripping solution.

Note:

Requests for further information may be directed to:

Technology Utilization Officer
Code A&TS-TU
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Reference: B71-10461

Patent status:

No patent action is contemplated by NASA.

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